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FAX Transmittal

Date:	10/23/00	Job/Proposal #:	15045
# of pages including cover sheet:	3	Re:	T6 Dredging/ Rehandling
Name	Company	Fax #	Phone #
To: John Childs	POP	503-240-2009	
cc: Marcel Hermans	POP	503-944-7313	
From: Todd Thornburg	Hart Crowser	(503) 620-6918	(503) 620-7284

MESSAGE: Gents,

Attached is the citation from the LCRMA Guidance Manual. It states that an archive sample from below the dredge cut should be collected in areas where the subsurface sediment is expected to be worse than the surface sediment. Because the Port has never dredged T6 below -41 feet, there is no "reason to believe" that contaminated material would be present, even considering over dredge. Thus, we did not believe that the increased cost and potential scheduling delays associated with vibracoring was warranted for the present study. If the Regional Dredge Team feels strongly that an archive sample is required, this requirement could not be anticipated from the LCRMA guidance.

The LCRMA "recency" guidelines state that data collected within the last 5 years is suitable for characterization. Our 1998 sampling effort to -45 feet is therefore relevant. I spoke with Howard, the PM on the 1998 sampling effort. It is his recollection that Hart Crowser and the Port discussed the need to run TBT on the deeper samples. It was decided that TBT analysis was not warranted for the deep samples, again because they are below any historical dredging depths. Perhaps Sebastian recalls these discussions.

We have sediment characterization data that provides coverage to depths of -42 feet CRD, as shown in the attached table. Thus, these data should be sufficient to characterize a dredge prism to -42 feet.

In any case, we should talk with the RDT to get clarification on their needs before we go back out in the field.

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PLEASE CONTACT (503) 620-7284 IF THERE ARE ANY TRANSMITTAL DIFFICULTIES.

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November 1998
Evaluation Framework

7.6 ARCHIVING ADDITIONAL SEDIMENT

In areas where the exposed sediment is anticipated to be contaminated above the *in situ* sediment, a sample from the first foot below the dredging overdepth will be collected and archived. This will allow possible future analysis to evaluate chemical concentrations in the newly exposed sediment if this is deemed necessary by the Regional Management Team.

The archived sediment must be frozen. Because the holding time for mercury will likely be exceeded, and sediments for volatiles analysis can not be frozen, mercury and any volatile chemicals-of-concern will not need to be analyzed for the archived sediments unless these chemicals are anticipated to be a problem in the newly-exposed sediments. In this case, analysis will need to occur immediately.

7.7 DATA SUBMITTAL

A key component of the sampling effort is the completeness of the data package submitted for regulatory review. Chapter 11 contains detailed information regarding data submittal requirements.

Table 1 - Core Compositing Intervals and Sediment Descriptions

Core Location	Subsample ID	Core Recovery (ft)	Mudline Depth	Final Elevation	Sediment Description
T6-00-GC01	S-1	0.8	-39.5	-40.3	Approx. Volume: 10.4 L
	S-2	1.5	-39.5	-41.0	
	S-3	1.4	-39.5	-40.9	
	S-4	1.8	-39.5	-41.3	
	S-5	1.3	-39.5	-40.8	
	S-6	1.5	-39.5	-41.0	
	S-7	1.0	-39.5	-40.5	
	S-8	1.4	-39.5	-40.9	
T6-00-GC01	Avg. Composite	1.3	-39.5	-40.8	Soft wet grey silt over sandy silt over sand
T6-00-GC02	S-1	2.0	-39.5	-41.5	Approx. Volume: 9.5 L
	S-2	1.9	-39.5	-41.4	
	S-3	2.5	-39.5	-42.0	
	S-4	1.9	-39.5	-41.4	
	S-5	1.4	-39.5	-40.9	
T6-00-GC02	Avg. Composite	1.9	-39.5	-41.4	Soft wet grey silt over sandy silt over silty sand
T6-00-GC03	S-1	2.8	-39.5	-42.3	Approx. Volume: 10.5 L
	S-2	2.8	-39.5	-42.3	
	S-3	0.7	-39.5	-40.2	
	S-4	1.4	-39.5	-40.9	
	S-5	3.0	-39.5	-42.5	
T6-00-GC03	Avg. Composite	2.1	-39.5	-41.6	Soft wet grey silt over silty sand
T6-00-GC04	S-1	1.8	-39.5	-41.3	Approx. Volume: 11.4 L
	S-2	2.1	-39.5	-41.6	
	S-3	1.8	-39.5	-41.3	
	S-4	1.7	-39.5	-41.2	
	S-5	1.6	-39.5	-41.1	
	S-6	NR	NR	NR	
	S-7	2.2	-39.5	-41.7	
T6-00-GC04	Avg. Composite	1.9	-39.5	-41.4	Soft wet grey silt over silty sand
T6-00-GC05	S-1	NR	NR	NR	Approx. Volume: 0.0 L
	S-2	NR	NR	NR	
	S-3	NR	NR	NR	
	S-4	NR	NR	NR	
T6-00-GC05	Avg. Composite	NR	NR	NR	Very sandy w/ woody debris and rocks
T6-00-GC06	S-1	NR	NR	NR	Approx. Volume: 8.0 L
	S-2	2.5	-40.0	-42.5	
	S-3	1.9	-40.0	-41.9	
	S-4	2.1	-40.0	-42.1	
	S-5	NR	NR	NR	
	S-6	1.7	-40.0	-41.7	
T6-00-GC06	Avg. Composite	2.0	-40.0	-42.0	Soft wet grey silt over grey sandy silt
T6-00-GC07	S-1	1.6	-39.5	-41.1	Approx. Volume: 11.2 L
	S-2	1.4	-39.5	-40.9	
	S-3	1.3	-39.5	-40.8	
	S-4	1.8	-39.5	-41.3	
	S-5	2.0	-39.5	-41.5	
	S-6	1.8	-39.5	-41.3	
	S-7	1.5	-39.5	-41.0	
T6-00-GC07	Avg. Composite	1.6	-39.5	-41.1	Soft wet grey silt over sandy silt over sand
T6-00-GC-08	S-1	1.8	-40.0	-41.8	Approx. Volume: 11.4 L
	S-2	2.1	-40.0	-42.1	
	S-3	2.0	-40.0	-42.0	
	S-4	2.0	-40.0	-42.0	
	S-5	1.7	-40.0	-41.7	
	S-6	1.8	-40.0	-41.8	
T6-00-GC-08	Avg. Composite	1.9	-40.0	-41.9	Soft wet grey silt over sandy silt over silty sand
T6-00-GC09	S-1	3.0	-40.5	-43.5	Approx. Volume: 10.0 L
	S-2	1.7	-40.5	-42.2	
	S-3	2.2	-40.5	-42.7	
	S-4	1.0	-40.5	-41.5	
	S-5	NR	-40.5	NR	
	S-6	2.1	-40.5	-42.6	
T6-00-GC09	Avg. Composite	2.0	-40.5	-42.5	Soft wet grey silt over sandy silt over sand